

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 36507-193188

First Inventor John H. SOHL III

Title ENHANCED SUBSURFACE SCANNING SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT

Express Mail Label No. 

22389 U66558 PTO

09/22/03

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 54]
preferred arrangement set forth below
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table,
or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Sheets 20]

5. Oath or Declaration [Total Pages 2]
a. Newly unexecuted (original or copy)
b. Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
Named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76

6a. Priority is claimed under the provisions of 35 U.S.C. § 119
Appln No. 60/412,575 filed in the U.S. on September 23, 2002
Appln No. _____ filed in _____ on _____

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. CD-ROM or CD-R (2 copies); or
ii. paper
c. Statements verifying identity of above copies (stated in
Preliminary Amendment)

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 C.F.R. §3.73(b) Statement Power of
(when there is an assignee) Attorney

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO-1449 Copies IDS
Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.

17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:

--This is a divisional of prior Application _____, filed _____, now allowed, and a continuation of prior Application _____, filed on _____, now
abandoned, the Disclosure of which is incorporated herein by reference.--

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

20. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Labelor Correspondence address below

| | | | | | |
|---------|----------------|-----------|--------------|----------|------------------|
| Name | VENABLE | | | | |
| Address | P.O. Box 34385 | | | | |
| City | Washington | State | D.C. | Zip Code | 20043-9998 |
| Country | U.S.A | Telephone | 202-962-4800 | | Fax 202-962-8300 |

| | | | |
|-------------------|-------------------|-----------------------------------|--------------|
| Name (Print/Type) | Ralph P. Albrecht | Registration No. (Attorney/Agent) | 43,466 |
| Signature | | | Date 9/22/03 |

PC Docs No. 4659867

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 543)

Complete If Known

| | |
|----------------------|-------------------|
| Application Number | NEW APPLICATION |
| Filing Date | HEREWITH |
| First Named Inventor | John H. SOHL, III |
| Examiner Name | unassigned |
| Group / Art Unit | unassigned |
| Attorney Docket No. | 36507-193188 |

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Other None
Order
 Deposit Account:

Deposit Account Number
22-0261

Deposit Account Name
VENABLE ATTORNEYS AT LAW

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) under 1.16 or 1.17 during pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code | Fee Code | Fee (\$) | Fee (\$) |
| 1001 | 2001 | 740 | 370 |
| 1002 | 2002 | 330 | 165 |
| 1003 | 2003 | 510 | 255 |
| 1004 | 2004 | 740 | 370 |
| 1005 | 2005 | 160 | 80 |
| SUBTOTAL (1) | | (\$ 370) | |

2. EXTRA CLAIM FEES

| Total Claims | -20 ** | = | 12 | X | 9 | = | 108 |
|--------------------|--------|-------|----|---|---|----|-----|
| Independent Claims | 2 | -3 ** | = | 0 | X | 42 | = 0 |
| Multiple Dependent | | | | X | | = | 0 |

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code | Fee Code | Fee (\$) | Fee (\$) |
| 1202 | 2202 | 18 | 9 |
| 1201 | 2201 | 84 | 42 |
| 1203 | 2203 | 280 | 140 |
| 1204 | 2204 | 84 | 42 |
| 1205 | 2205 | 18 | 9 |
| SUBTOTAL (2) | | (\$ 108) | |

*or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------------------|--------------|-----------------|----------|
| Fee Code | Fee Code | Fee (\$) | Fee (\$) |
| 1051 | 2051 | 130 | 65 |
| 1052 | 2052 | 50 | 25 |
| 1053 | 2053 | 130 | 130 |
| 1812 | 1812 | 2,520 | 2,520 |
| 1804 | 1804 | 920* | 920* |
| 1805 | 1805 | 1,840* | 1,840* |
| 1251 | 2251 | 110 | 55 |
| 1252 | 2252 | 400 | 200 |
| 1253 | 2253 | 920 | 460 |
| 1254 | 2254 | 1,440 | 720 |
| 1255 | 2255 | 1,960 | 980 |
| 1401 | 2401 | 320 | 160 |
| 1402 | 2402 | 320 | 160 |
| 1403 | 2403 | 280 | 140 |
| 1451 | 1451 | 1,510 | 1,510 |
| 1452 | 2452 | 110 | 55 |
| 1453 | 2453 | 1,280 | 640 |
| 1501 | 2501 | 1,280 | 640 |
| 1502 | 2502 | 460 | 230 |
| 1503 | 2503 | 620 | 310 |
| 1460 | 1460 | 130 | 130 |
| 1807 | 1807 | 50 | 50 |
| 1806 | 1806 | 180 | 180 |
| 8021 | 8021 | 40 | 40 |
| 1809 | 2809 | 740 | 370 |
| 1810 | 2810 | 740 | 370 |
| 1801 | 2801 | 740 | 370 |
| 1802 | 1802 | 900 | 900 |
| Other fee (specify) _____ | | | |

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ 65)

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|---|----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | Ralph P. Albrecht | Registration No. Attorney/Agent) | 43,466 | Telephone | 202-216-8166 |
| Signature |  | | | Date | 9/22/03 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.
SEND TO: Commissioner for Patents, Washington, DC 20231.

VENABLE
ATTORNEYS AT LAW

PC Docs No. 485994

Attorney/LAA: RPA/tdg
PTO Due Date: N/A
DATE FILED : September 22, 2003

Venable Filing Number

Atty. Docket No: 36507-193188
Title: ENHANCED SUBSURFACE
SCANNING SYSTEM, METHOD AND
COMPUTER PROGRAM PRODUCT
Application No: NEW APPLICATION
Patent No. : _____
Trademark: _____
Opposition/Cancellation No: _____
Filing Date: September 22, 2003
Issue Date: _____
Trademark Reg. No: _____

The following items were received from Venable, Washington, D.C., by the U.S. Patent & Trademark Office:

U.S. PTO FEES ENCLOSED

| | |
|--|----------------------------------|
| <input checked="" type="checkbox"/> Utility Transmittal Sheet | _____ Filing Fee |
| <input checked="" type="checkbox"/> Fee Transmittal Letter | _____ Surcharge Fee |
| <input checked="" type="checkbox"/> New U.S. Utility Application (54 pages of specification/32 claims/abstract) | _____ |
| <input checked="" type="checkbox"/> Formal Drawings (20 sheets for Figs. 1-3, 4A-4D, 5-7, 8A-8B, 9A-9C, 10A-10B, 11, 12A-12E) | _____ Additional Claim Fee |
| <input type="checkbox"/> Invention Declaration | _____ Recordation/Indexing Fee |
| <input type="checkbox"/> Letter to Examiner | _____ IDS Fee |
| <input type="checkbox"/> Translation of International Application | _____ Extension Fee |
| <input type="checkbox"/> New U.S. TM Application (specimens) | _____ Notice of Appeal Fee |
| <input type="checkbox"/> Rule 53(d) Continued Prosecution Application | _____ Brief on Appeal Fee |
| <input type="checkbox"/> Letter Resubmitting Assignment | _____ Oral Hearing Request Fee |
| <input type="checkbox"/> Rule 53(b) Continuation or Divisional Application (<i>attach copy of specification, claims, drawings & declaration</i>) | _____ Petition Fee |
| <input type="checkbox"/> Priority Document-Cert. Copy of Appln. #: _____ ; Country _____ | _____ Issue Fee |
| <input type="checkbox"/> Date Filed: | _____ Publication Fee |
| <input type="checkbox"/> Request for Continued Examination (RCE) under 37 CFR 1.114 | _____ Maintenance Fee |
| <input type="checkbox"/> Request for Reconsideration | _____ TM Statement of Use |
| <input checked="" type="checkbox"/> Application Data Sheet (5 pp.) | _____ 8 Affidavit Fee |
| <input type="checkbox"/> Assignment w/PTO Form 1595 Cover Sheet | _____ 8 and 15 Affidavit |
| <input type="checkbox"/> IDS w/PTO Form-1449 | _____ TM Renewal Application Fee |
| <input type="checkbox"/> Amendment and Reply under 37 C.F.R. §§ 1.111 and 1.121 | _____ Notice of Opposition Fee |
| <input type="checkbox"/> <input type="checkbox"/> Amendment/ <input type="checkbox"/> Preliminary Amendment | _____ TM Extension of Time Fee |
| <input type="checkbox"/> Petition/Request for Extension of Time (one mo. ext.) | |
| <input type="checkbox"/> Notice of Appeal | |
| <input type="checkbox"/> Appeal Brief (<i>in triplicate</i>) | |
| <input type="checkbox"/> <input type="checkbox"/> Reply Brief (<i>in triplicate</i>)/ <input type="checkbox"/> Request for Oral Hearing | |
| <input type="checkbox"/> Confirmation of Hearing Petition | |
| <input type="checkbox"/> Issue Fee Transmittal | |
| <input type="checkbox"/> Certificate of Correction | |
| <input type="checkbox"/> Maintenance Fee Transmittal | |
| <input type="checkbox"/> Power of Attorney | |
| <input type="checkbox"/> Response to Notice to File Missing Parts | |
| <input type="checkbox"/> Response to Notice to File Missing Requirements | |
| <input type="checkbox"/> Response to Restriction Requirement | |
| <input type="checkbox"/> Petition to Revive | |
| <input type="checkbox"/> Sequence Listing – CDR Enclosed? <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| <input type="checkbox"/> Status Inquiry | |
| <input type="checkbox"/> Copy of cover sheet submitted February 25, 2003 with date stamp filing receipt evidencing filing | |
| <input type="checkbox"/> Request to Rescind Non-Publication Request | |
| <input type="checkbox"/> A copy of the Notice of Non-Recordation of Document | |
| <input checked="" type="checkbox"/> Return Postcard | |
| <input type="checkbox"/> Other: (<i>Please describe below</i>) | |

0.00 Total Fees Paid

Check Number _____ Attached
 Charge Deposit Account No. 22-0261*
 Yes No

*If the Deposit Account was used, was a copy of this form sent to Accounting?

#486050